

Reference	SSM76173
Models	Defender / L663 Discovery / L462 Discovery Sport / L550 New Range Rover / L460 New Range Rover Evoque / L551 New Range Rover Sport / L461 Range Rover Velar / L560
Title	MHEV DCDC Internal Failure With Warning Message Displayed On The Instrument Panel
Category	Electrical
Last modified	18-Dec-2024 00:00:00
Symptom	204000 Instrumentation
Content	<p>Model / Model Year / Derivative</p> <p>Range Rover / 22MY onwards / Mild Hybrid Electric Vehicle (MHEV) Range Rover Sport / 23MY onwards / MHEV Range Rover Velar / 20MY onwards / MHEV Discovery / 20MY onwards / MHEV Range Rover Evoque / 19MY onwards / MHEV Discovery Sport / 19MY onwards / MHEV Defender / 20MY onwards / MHEV</p> <p>Note:</p> <p>This SSM is only applicable to vehicles installed with the following part numbers: Service part number - Direct Current to Direct Current (DCDC) Converter 433123456 (N8B214B227AC) Service part number - Harness 419123816 (R8E214N178AC)</p> <p>Situation:</p> <p>Certain vehicles are displaying a 'Stop Safely Electrical Fault Detected' warning message on the instrument panel. In some cases, a loss of 12V charging may also be experienced. Visible signs of damage to the connectors of the 48V DCDC converter and connector harness may also be present.</p> <p>Cause:</p> <p>Internal failure in the 48V DCDC converter.</p> <p>Action:</p> <p>Refer to the service information below.</p> <p>Service Information:</p> <p>For the below vehicles, inspect the 48V DCDC converter for signs of failure and damage to the connectors and harness. If damage is confirmed, renew the DCDC converter and harness. See TOPIx Workshop Manual section 612-01: Battery Charging MHEV - Removal and Installation - Direct Current to Direct Current (DCDC) Converter.</p>

- Range Rover / 22MY onwards / MHEV
- Range Rover Sport / 23MY onwards / MHEV

For the below vehicles, see TOPIx Workshop Manual section 414-03: Battery Charging - Diagnosis and Testing - Battery Charging Systems MHEV.

If required following further inspection and diagnosis, **replace the DCDC converter**. See TOPIx Workshop Manual section 414-01: Battery Charging MHEV - Removal and Installation - Direct Current to Direct Current (DCDC) Converter.

- Range Rover Velar / 20MY onwards / MHEV
- Discovery / 20MY onwards / MHEV
- Range Rover Evoque / 19MY onwards / MHEV
- Discovery Sport / 19MY onwards / MHEV
- Defender / 20MY onwards / MHEV

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